

Storm Data and Unusual Weather Phenomena - September 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WISCONSIN, Southeast				
(WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE				
	09/04/07 22:00 CST		0	Dense Fog
	09/05/07 05:00 CST		0	
Dense fog developed over portions of east-central and southeast Wisconsin overnight thanks to a light moist flow of air off of the still relatively warm waters of Lake Michigan, and clear skies. Visibilities were reduced to 1/4 mile or below in and near the area bounded by the cities of Fond du Lac, Sheboygan, West Bend, and Port Washington. Several vehicle accidents were noted in newspapers, and some local airplane traffic was cancelled.				
SAUK COUNTY --- IRONTON [43.55, -90.13]				
	09/18/07 19:30 CST		5K	Thunderstorm Wind (EG 56 kt)
	09/18/07 19:30 CST		0	Source: Law Enforcement
Powerful thunderstorm downburst winds gusting to an estimated 56 knots (65 mph) toppled several large trees. Tree branch debris knocked down some power lines.				
SAUK COUNTY --- LA VALLE [43.58, -90.13]				
	09/18/07 19:35 CST		5K	Thunderstorm Wind (EG 56 kt)
	09/18/07 19:35 CST		0	Source: Law Enforcement
Powerful thunderstorm downburst winds gusting to an estimated 56 knots (65 mph) toppled several large trees. Tree branch debris knocked down some power lines.				
SAUK COUNTY --- 2.0 NW REEDSBURG [43.55, -90.03]				
	09/18/07 19:39 CST		5K	Thunderstorm Wind (EG 56 kt)
	09/18/07 19:39 CST		0	Source: Law Enforcement
Powerful thunderstorm downburst winds gusting to an estimated 56 knots (65 mph) toppled several large trees. Tree branch debris knocked down some power lines.				
SAUK COUNTY --- ROCK SPGS [43.48, -89.92]				
	09/18/07 19:39 CST		5K	Thunderstorm Wind (EG 56 kt)
	09/18/07 19:39 CST		0	Source: Law Enforcement
Powerful thunderstorm downburst winds gusting to an estimated 56 knots (65 mph) toppled several large trees. Tree branch debris knocked down some power lines.				
COLUMBIA COUNTY --- WISCONSIN DELLS [43.63, -89.77]				
	09/18/07 19:53 CST		5K	Thunderstorm Wind (EG 65 kt)
	09/18/07 19:53 CST		0	Source: Law Enforcement
Powerful thunderstorm downburst winds gusting to an estimated 65 knots (75 mph) toppled several large trees. Tree branch debris knocked down some power lines. The winds lifted one side of a trained spotters's vehicle about 6 inches into the air.				
A line of strong to severe thunderstorms moved northeast through southern Wisconsin. Short segments of the line managed to bow out and generate isolated downbursts.				
(WI-Z060) OZAUKEE, (WI-Z066) MILWAUKEE, (WI-Z071) RACINE				
	09/20/07 06:00 CST		0	Dense Fog
	09/20/07 09:00 CST		0	
Dense fog developed during the early morning hours between Port Washington and Racine thanks to clear skies, radiational cooling, and a light northeast-east wind off of the still relatively warm waters of Lake Michigan. Visibilities were reduced to 1/8 to 1/4 mile. Several airplane flights were delayed or cancelled.				
(WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z071) RACINE, (WI-Z072) KENOSHA				
	09/20/07 18:00 CST		0	Dense Fog
	09/21/07 01:00 CST		0	

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Dense fog affected parts of east-central and southeast Wisconsin during the overnight hours and lowered visibilities to 1/8 to 1/4 mile. Several airplane flights were delayed or cancelled. The dense fog was actually leftover dense fog that had persisted over the nearshore waters of Lake Michigan from the early morning hours of September 20th. A light southeast wind during the daytime hours transported the leftover dense fog inland. Clear skies and radiational cooling allowed the dense fog to expand as it moved inland.

WAUKESHA COUNTY --- WALES [43.00, -88.37]

09/27/07 13:52 CST	0	Hail (0.75 in)
09/27/07 13:52 CST	0	Source: Public

MILWAUKEE COUNTY --- 1.0 NE FRANKLIN [42.88, -88.07], 2.0 E FRANKLIN [42.87, -88.04]

09/27/07 14:41 CST	0	Hail (0.75 in)
09/27/07 14:45 CST	0	Source: NWS Employee

RACINE COUNTY --- 2.0 SSE RAYMOND [42.77, -88.00], 2.2 SSE RAYMOND [42.77, -88.00]

09/27/07 14:49 CST	1K	Tornado (EF0, L: 0.25 mi , W: 20 yd)
09/27/07 14:50 CST	1K	Source: Law Enforcement

A weak EF0 tornado spun up about 1/8 mile northwest of the intersection of 3 Mile Road and 68th Stree in central Racine County about 2 miles south-southeast (172 degrees) of Raymond, or 3.5 miles east-southeast (112 degrees) of North Cape. It initially tore up some mature corn crop, toppled a couple trees, crossed the intersection on a southeast path, tore some roof shingles off of a pole shed, and then dissipated in an open field. The average path length was about 15 yards. Damage indicator #1 (SBO) was used with a DOD value of 2 in the damage assessment for an expected wind value of about 75 mph. The initial spin up location was N42.77287 W88.00481 and the end point was N42.77119 W88.00054.

MILWAUKEE COUNTY --- OAK CREEK [42.87, -87.87]

09/27/07 15:08 CST	0	Hail (0.88 in)
09/27/07 15:08 CST	0	Source: Trained Spotter

RACINE COUNTY --- CALEDONIA [42.80, -87.93]

09/27/07 15:08 CST	0	Hail (0.75 in)
09/27/07 15:08 CST	0	Source: Trained Spotter

MILWAUKEE COUNTY --- WEST ALLIS [43.00, -87.97]

09/27/07 15:11 CST	0	Hail (0.75 in)
09/27/07 15:11 CST	0	Source: COOP Observer

OZAUKEE COUNTY --- 1.0 N SAUKVILLE [43.39, -87.93], 2.0 S MEQUON [43.19, -87.98]

09/27/07 15:18 CST	0	Hail (0.88 in)
09/27/07 15:24 CST	0	Source: Trained Spotter

MILWAUKEE COUNTY --- 4.0 N MILWAUKEE TIMMERMAN AIRPORT [43.18, -88.03]

09/27/07 15:23 CST	0	Hail (0.75 in)
09/27/07 15:23 CST	0	Source: Trained Spotter

An northwest flow of cold and unstable air aloft allowed scattered thunderstorms to develop and move southeast through southeastern Wisconsin. Some of the storms pulsed to severe limits and generated large hail. However, low-level south winds veered to west-southwest in the lowest 3 thousand feet of the atmosphere, allowing for the generation of low-level vorticity and an isolated tornado in central Racine County.